

**Notice of Allowability**

Application No.

10/685,493

Applicant(s)

GOMI ET AL.

Examiner

Art Unit

Doug Hutton

2176

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to RCE filed on 01/10/2007.
2. ☒ The allowed claim(s) is/are 1-16.
3. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some\* c) ☐ None of the:
1. ☒ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_\_.


Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
- (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
- 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
- (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

**Attachment(s)**

1. ☐ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO/SB/08),  
Paper No./Mail Date \_\_\_\_\_
4. ☐ Examiner's Comment Regarding Requirement for Deposit  
of Biological Material
5. ☐ Notice of Informal Patent Application
6. ☐ Interview Summary (PTO-413),  
Paper No./Mail Date \_\_\_\_\_
7. ☒ Examiner's Amendment/Comment
8. ☐ Examiner's Statement of Reasons for Allowance
9. ☐ Other \_\_\_\_\_

  
Doug Hutton  
Primary Examiner  
Technology Center 2100

***Applicant's Response***

In Applicant's Response dated 01/10/2007, Applicant amended Claims 1-16, and argued against all objections and rejections previously set forth in the Office Action dated 05/25/2006.

Based upon the claim amendments, Applicant's remarks and the following Examiner's Amendment, all objections and rejections previously set forth are withdrawn.

**Examiner's Amendment**

An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Thomas E. McKiernan on 03/02/2007.

***In the Claims:***

1. (currently amended) A system for printing an electronic document described in a markup language, comprising:

means for determining analysis defining information based on a description rule and based on a template used for describing the electronic document in the markup language;

means for extracting cover information displayed on a cover of the electronic document based on tag information [[on ]]in a tag and based on a directive described in a document file;

means for generating a cover file of the electronic document;

means for analyzing a description of the document file based on the analysis defining information~~[[,]]~~;

means for deleting information unnecessary for printing ~~[[of ]]~~the electronic document from the document file;

means for analyzing a document structure of the electronic document~~[[,]]~~;

means for dividing the document file into item units;

means for generating the document structure in accordance with the analyzed document structure~~[[,]]~~;

means for generating a converted file; and

means for printing a document with the cover based on the cover file and the converted file in accordance with a request for printing the electronic document.

2. (currently amended) A system according to Claim 1, further comprising:

means for obtaining the document file in the markup language and generating the electronic document.

3. (previously presented) A system according to Claim 1, wherein the means for extracting cover information extracts a name and identification information of the electronic document as the cover information.
4. (previously presented) A system according to Claim 1, wherein the means for extracting cover information extracts information for a copyright notice as the cover information.
5. (previously presented) A system according to Claim 1, wherein the means for printing a document receives a request-with-cover to print the electronic document with the cover and prints the document with a front cover based on the cover file and the converted file when receiving the request-with-cover.
6. (currently amended) A system according to Claim 1, wherein the means for printing a document receives a request-without-cover to print the electronic document without the cover, prints the document based on the converted file by adding the cover information to a header part, a footer part, or both the header and the footer parts when receiving the request-without-cover.
7. (currently amended) A system according to Claim 1, wherein the means for analyzing the description of the document file generates contents structure information for generating a table of contents of the electronic document and information having a

corresponding relationship between items of the table of contents and the converted file based on the analyzed document structure, and

the means for printing [[a ]]the document displays the table of contents in which the display or not-display of classes in the document structure is dynamically controlled~~[[,]]~~ based on the content structure information and ~~[[the ]]~~other corresponding information, receives ~~[[the ]]~~an item selected for printing from the table of contents, and prints the document including the selected item with the cover on the basis of the converted file corresponding to the selected item in accordance with a request ~~[[of ]]~~for the electronic document.

8. (currently amended) A computer program tangibly embodied on a computer readable medium for printing processing which causes a computer to execute processing for printing an electronic document described in a markup language, the computer program comprising instructions for:

determining analysis defining information based on a description rule and based on a template used for describing ~~[[an ]]~~the electronic document in ~~[[a ]]~~the markup language;

accessing the analysis defining information for analysis;

extracting cover information displayed on a cover of the electronic document based on tag information ~~[[on ]]~~in a tag and based on a directive described in ~~[[the ]]~~a document file;

generating a cover file of the electronic document;

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analyzing [[the ]]a description of the document file based on the analysis defining information[[,]];

deleting information unnecessary for printing [[of ]]the electronic document from the document file;

analyzing a document structure of the electronic document[[,]];

dividing the document file into item units[[,]];

generating the document structure in accordance with the analyzed document structure[[,]];

generating a converted file; and

printing a document with the cover based on the cover file and the converted file in accordance with a request for printing the electronic document.

9. (currently amended) A computer program according to Claim 8, further comprising instructions for:

obtaining [[a ]]the document file in the markup language and generating [[an ]]the electronic document.

10. (previously presented) A computer program according to Claim 8, wherein the cover file generating comprises extracting a name and identification information of the electronic document as the cover information.

11. (currently amended) A computer program according to Claim 8, wherein the cover file generating comprises extracting information ~~[[on ]]~~for a copyright notice as the cover information.

12. (previously presented) A computer program according to Claim 8, wherein the printing comprises receiving a request with-cover to print the electronic document with the cover; and

printing the document with the cover based on the cover file and the converted file when receiving the request-with-cover.

13. (currently amended) A computer program according to Claim 8, wherein the printing comprises receiving a request without-cover to print the electronic document without the cover; and

printing the document based on the converted file by adding the cover information to a header part, a footer part, or both the header and the footer parts when receiving the request-without-cover.

14. (currently amended) A computer program according to Claim 8, wherein the file analyzing ~~and converting~~ comprises:

generating contents structure information for generating a table of contents of the electronic document and information having a corresponding relationship between items

of the table of contents and the converted file based on the analyzed document structure, and

displaying the table of contents in which the display or not-display of classes in the document structure is dynamically controlled[[,]] based on the content structure information and ~~based on the~~ other corresponding information,

receiving [[the ]]an item selected for printing from the table of contents, and printing the document including the selected item with the cover on the basis of the converted file corresponding to the selected item ~~from the content~~, in accordance with a request for the electronic document.

15. (currently amended) A computer readable medium ~~recording~~ tangibly embodying a computer program for printing processing which causes a computer to execute processing for printing an electronic document described in a markup language, the program comprising instructions for:

obtaining a document file in the markup language forming [[one ]]the electronic document;

determining analysis defining information based on a description rule and based on a template used for describing [[an ]]the electronic document in [[a ]]the markup language;

accessing the analysis defining information for analysis;



extracting cover information displayed on the electronic document based on tag information described in the document file and based on a tag element [[and ]]for generating a cover file of the electronic document;

analyzing [[the ]]a description of the document file based on the analysis defining information~~[[,]]~~;

deleting information unnecessary for printing the electronic document from the document file~~[[,]]~~;

analyzing a document structure of the electronic document~~[[,]]~~;

dividing the document file into item units;

generating the document structure in accordance with the analyzed document structure~~[[, and]]~~;

generating a converted file; and

printing a document with the cover based on the cover file and the converted file in accordance with a request for printing the electronic document.

16. (currently amended) A method for printing an electronic document described in a markup language, comprising the steps of:

obtaining a document file in [[a ]]the markup language forming [[one ]]the electronic document;

defining information for analysis based on a template and based on a description rule used for describing the electronic document [[by ]]in the markup language;

accessing the analysis defining information for analysis~~[[,]]~~;

extracting tag information described in the document file and cover information displayed on a cover of the electronic document based on a tag element;

generating a cover file of the electronic document;

analyzing [[the ]]a description of the document file based on the analysis defining information[[.]];

deleting information unnecessary for printing the electronic document from the document file[[.]];

analyzing a document structure of the electronic document[[.]];

dividing the document file into item units;

generating the document structure in accordance with the analyzed document structure[[.]];

generating a converted file; and

printing a document with the cover based on the cover file and the converted file in accordance with a request for printing the electronic document.

***Allowable Subject Matter***

Claims 1-16 are allowed.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Doug Hutton whose telephone number is 571-272-4137. The examiner can normally be reached on Monday-Friday from 8:00 AM to 5:00 PM.

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If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Heather Herndon, can be reached at (571) 272-4136. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (571) 272-2100.

WDH

March 2, 2007



**Doug Hinton**  
Primary Examiner  
Technology Center 2100